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VAR G3=S/C
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NODE ATTRIBUTES:
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GRAPH ATTRIBUTES:
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NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE

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VAR G4=11/10/12
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NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE

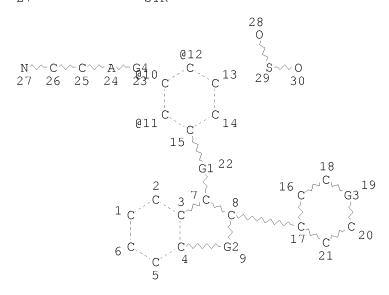
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L5 110 SEARCH L4 SSS SUB=L3 FUL

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L6 17 S L5

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VAR G1=C/O
REP G2=(1-2) A
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VAR G4=11/10/12
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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RSPEC 15 7 17

NUMBER OF NODES IS 30

STEREO ATTRIBUTES: NONE

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L9 82 S L8

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FILE 'CAPLUS' ENTERED AT 08:32:57 ON 22 JUL 2009

FILE 'CAPLUS' ENTERED AT 08:33:10 ON 22 JUL 2009 L12 4 S L6 AND L9

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L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2007:652149 CAPLUS

DN 147:268307

TI Structure-activity relationships of SERMs optimized for uterine antagonism and ovarian safety

AU Richardson, Timothy I.; Frank, Scott A.; Wang, Minmin; Clarke, Christian A.; Jones, Scott A.; Ying, Bai-Ping; Kohlman, Dan T.; Wallace, Owen B.; Shepherd, Timothy A.; Dally, Robert D.; Palkowitz, Alan D.; Geiser, Andrew G.; Bryant, Henry U.; Henck, Judith W.; Cohen, Ilene R.; Rudmann, Daniel G.; McCann, Denis J.; Coutant, David E.; Oldham, Samuel W.; Hummel, Conrad W.; Fong, Kin C.; Hinklin, Ronald; Lewis, George; Tian, Hongqi; Dodge, Jeffrey A.

CS Lilly Research Laboratories, Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN, 46285, USA

SO Bioorganic & Medicinal Chemistry Letters (2007), 17(13), 3544-3549 CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier Ltd.

DT Journal

LA English

OS CASREACT 147:268307

IT 648904-56-7P 648904-79-4P 648905-29-7P 648906-06-3P 648906-10-9P 770708-13-9P 862129-77-9P 862129-80-4P 862129-85-9P 862129-87-1P 862130-04-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(Structure-activity relationships of SERMs optimized for uterine antagonism and ovarian safety)

RN 648904-56-7 CAPLUS

CN 2-Naphthalenol, 6-[4-(methylsulfonyl)phenyl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

RN 648904-79-4 CAPLUS

CN

2-Naphthalenol, 6-[4-(ethylsulfonyl)phenyl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

RN 648905-29-7 CAPLUS

CN 2-Naphthalenol, 6-[4-[(1-methylethyl)sulfonyl]phenyl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

RN 648906-06-3 CAPLUS

CN Benzo[b]thiophene-6-ol, 2-[4-(ethylsulfonyl)phenyl]-3-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

RN 648906-10-9 CAPLUS

CN Benzo[b]thiophene-6-ol, 2-[4-(methylsulfonyl)phenyl]-3-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

RN 770708-13-9 CAPLUS

CN Benzenesulfonamide, 4-[6-hydroxy-1-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-2-naphthalenyl]-N,N-dimethyl- (CA INDEX NAME)

$$\begin{array}{c} \text{CH}_2 \\ \text{CH}_2 \\ \text{O} \\ \\ \text{O$$

RN 862129-77-9 CAPLUS

CN 2-Naphthalenol, 6-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

RN 862129-80-4 CAPLUS

CN 2-Naphthalenol, 6-[4-(methylsulfonyl)cyclohexyl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-, hydrochloride (1:1) (CA INDEX NAME)

RN 862129-85-9 CAPLUS

CN 2-Naphthalenol, 6-(3,6-dihydro-1,1-dioxido-2H-thiopyran-4-yl)-5-[4-[2-(1-piperidinyl)ethoxy]- (CA INDEX NAME)

RN 862129-87-1 CAPLUS

CN 2-Naphthalenol, 5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-6-(tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)-, hydrochloride (1:1) (CA INDEX NAME)

// O

● HCl

RN 862130-04-9 CAPLUS

CN 2-Naphthalenol, 5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-6-(tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)- (CA INDEX NAME)

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IT 648906-05-2 648906-08-5

RL: RCT (Reactant); RACT (Reactant or reagent)
(Structure-activity relationships of SERMs optimized for uterine antagonism and ovarian safety)

RN 648906-05-2 CAPLUS

CN Piperidine, 1-[2-[4-[[2-[4-(ethylsulfonyl)phenyl]-6-(phenylmethoxy)benzo[b]thien-3-yl]oxy]phenoxy]ethyl]- (CA INDEX NAME)

RN 648906-08-5 CAPLUS

CN Piperidine, 1-[2-[4-[[2-[4-(methylsulfonyl)phenyl]-6-(phenylmethoxy)benzo[b]thien-3-yl]oxy]phenoxy]ethyl]- (CA INDEX NAME)

IT 648904-52-3P 648904-77-2P 648905-66-2P

862129-75-7P 862129-82-6P 946077-38-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(Structure-activity relationships of SERMs optimized for uterine antagonism and ovarian safety)

RN 648904-52-3 CAPLUS

CN Piperidine, 1-[2-[4-[[6-methoxy-2-[4-(methylsulfonyl)phenyl]-1-naphthalenyl]oxy]phenoxy]ethyl]- (CA INDEX NAME)

RN 648904-77-2 CAPLUS

CN Piperidine, 1-[2-[4-[[2-[4-(ethylsulfonyl)phenyl]-6-methoxy-1-naphthalenyl]oxy]phenoxy]ethyl]- (CA INDEX NAME)

648905-66-2 CAPLUS RN

Benzenesulfonamide, 4-[6-methoxy-1-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-2-naphthalenyl]-N,N-dimethyl- (CA INDEX NAME) CN

RN

862129-75-7 CAPLUS Piperidine, 1-[2-[4-[[6-methoxy-2-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-1-naphthalenyl]oxy]phenoxy]ethyl]- (CA INDEX NAME)CN

RN

862129-82-6 CAPLUS
Piperidine, 1-[2-[4-[[2-(3,6-dihydro-1,1-dioxido-2H-thiopyran-4-yl)-6-methoxy-1-naphthalenyl]oxy]phenoxy]ethyl]- (CA INDEX NAME) CN

PAGE 1-A

RN 946077-38-9 CAPLUS

CN Piperidine, 1-[2-[4-[[6-methoxy-2-[4-[(1-methylethyl)sulfonyl]phenyl]-1-naphthalenyl]oxy]phenoxy]ethyl]- (CA INDEX NAME)

IT 862130-05-0P

RL: SPN (Synthetic preparation); PREP (Preparation) (Structure-activity relationships of SERMs optimized for uterine antagonism and ovarian safety)

RN 862130-05-0 CAPLUS

CN 2-Naphthalenol, 6-[4-(methylsulfonyl)cyclohexyl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L12 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN
            2005:732632 CAPLUS
ΑN
           143:211843
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TI
            Preparation of piperidine derivatives as selective estrogen receptor
            modulators for treating endometriosis and uterine leiomyoma
ΙN
            Dodge, Jeffrey Alan; Frank, Scott Alan; Hummel, Conrad Wilson
            Eli Lilly and Company, USA
PA
            PCT Int. Appl., 45 pp.
SO
            CODEN: PIXXD2
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LA
           English
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            PATENT NO.
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                                                      A1 20070322 US 2006-597117
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PRAI US 2004-538303P
                                                                             20040122
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ΙT
            enyl)naphthalen-1-yl]oxy]phenoxy]ethyl]piperidine
            RL: PEP (Physical, engineering or chemical process); PYP (Physical
            process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
            PROC (Process); RACT (Reactant or reagent)
                    (chromatog. resolution; preparation of piperidine derivs. as selective
estrogen
                   receptor modulators for treating endometriosis and uterine leiomyoma)
            862129-94-0 CAPLUS
RN
            Piperidine, 1-[2-[4-[[2-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-6-
CN
            (phenylmethoxy)-1-naphthalenyl]oxy]phenoxy]ethyl]- (CA INDEX NAME)
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ΙT 862129-74-6P, 1-[2-[4-[2-(4-Methylsulfonylcyclohex-1-enyl)-6methoxynaphthalen-1-yl]oxy]phenoxy]ethyl]piperidine Hydrochloride 862129-75-7P, 1-[2-[4-[[2-(4-Methylsulfonylcyclohex-1-enyl)-6-]]methoxynaphthalen-1-yl]oxy]phenoxy]ethyl]piperidine 862129-77-9P , 6-(4-Methylsulfonylcyclohex-1-enyl)-5-[4-[2-(piperidin-1yl)ethoxy]phenoxy]naphthalen-2-ol 862129-82-6P, 1-[2-[4-[2-(1,1-Dioxo-1,2,3,6-tetrahydrothiopyran-4-y1)-6methoxynaphthalen-1-yl]oxy]phenoxy]ethyl]piperidine 862129-84-8P , 1-[2-[4-[[2-(1,1-Dioxo-1,2,3,6-tetrahydrothiopyran-4-yl)-6methoxynaphthalen-1-yl]oxy]phenoxy]ethyl]piperidine hydrochloride 862129-85-9P, 6-(1,1-Dioxo-1,2,3,6-tetrahydrothiopyran-4-yl)-5-[4-[2-(piperidin-1-yl)ethoxy]phenoxy]naphthalen-2-ol 862129-86-0P, yl)ethoxy]phenoxy]naphthalen-2-ol hydrochloride 862129-89-3P, 1-[2-[4-[[6-Methoxy-2-(tetrahydrothiopyran-4-yl)benzo[b]thiophen-3yl]oxy]phenoxy]ethyl]piperidine 862129-90-6P, 3-[4-[2-(Piperidin-1-yl)ethoxy]phenoxy]-2-(tetrahydrothiopyran-4v1)benzo[b]thiophen-6-ol 862130-03-8P, 2-(4-Methylsulfonylcyclohex-1-enyl)-3-[4-[2-(piperidin-1yl)ethoxy]phenoxy]benzo[b]thiophen-6-ol RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (drug candidate; preparation of piperidine derivs. as selective estrogen receptor modulators for treating endometriosis and uterine leiomyoma) RN 862129-74-6 CAPLUS Piperidine, 1-[2-[4-[[6-methoxy-2-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-1-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-1-[4-[6-methoxy-2-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-1-[4-(methylsulfonyl)-1-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-1-[4-(methylsulfonyl)-1-(methylsulfonyl)-1-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-1-[4-(methylsulfonyl)-1-[4-(methylsulfonyl)-1-[CN

naphthalenyl]oxy]phenoxy]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

RN

862129-75-7 CAPLUS Piperidine, 1-[2-[4-[[6-methoxy-2-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-1-naphthalenyl]oxy]phenoxy]ethyl]- (CA INDEX NAME)CN

862129-77-9 CAPLUS RN

CN piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

RN

862129-82-6 CAPLUS
Piperidine, 1-[2-[4-[[2-(3,6-dihydro-1,1-dioxido-2H-thiopyran-4-yl)-6-methoxy-1-naphthalenyl]oxy]phenoxy]ethyl]- (CA INDEX NAME) CN

PAGE 1-A

RN 862129-84-8 CAPLUS

CN Piperidine, 1-[2-[4-[[2-(3,6-dihydro-1,1-dioxido-2H-thiopyran-4-yl)-6-methoxy-1-naphthalenyl]oxy]phenoxy]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

// O

● HCl

RN 862129-85-9 CAPLUS

CN 2-Naphthalenol, 6-(3,6-dihydro-1,1-dioxido-2H-thiopyran-4-yl)-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

0

RN 862129-86-0 CAPLUS

CN 2-Naphthalenol, 6-(3,6-dihydro-1,1-dioxido-2H-thiopyran-4-yl)-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-, hydrochloride (1:1) (CA INDEX NAME)

// O

● HCl

RN 862129-89-3 CAPLUS

CN Piperidine, 1-[2-[4-[[6-methoxy-2-(tetrahydro-2H-thiopyran-4-yl)benzo[b]thien-3-yl]oxy]phenoxy]ethyl]- (CA INDEX NAME)

RN 862129-90-6 CAPLUS

CN Benzo[b]thiophene-6-ol, 3-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-2-(tetrahydro-2H-thiopyran-4-yl)- (CA INDEX NAME)

RN 862130-03-8 CAPLUS

RN

CN

CN Benzo[b]thiophene-6-ol, 2-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-3-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

ΙT 862129-76-8P, 6-(4-Methylsulfonylcyclohex-1-enyl)-5-[4-[2-(piperidin-1-yl)ethoxy]phenoxy]naphthalen-2-ol hydrochloride 862129-78-0P, 6-cis-(4-Methylsulfonylcyclohexyl)-5-[4-[2-(piperidin-1-yl)ethoxy]phenoxy]naphthalen-2-ol hydrochloride 862129-79-1P, 6-trans-(4-Methylsulfonylcyclohexyl)-5-[4-[2-1]](piperidin-1-yl)ethoxy]phenoxy]naphthalen-2-ol hydrochloride yl)ethoxy]phenoxy]naphthalen-2-ol hydrochloride 862129-87-1P, 6-(1,1-Dioxohexahydrothiopyran-4-y1)-5-[4-[2-(piperidin-1yl)ethoxy]phenoxy]naphthalen-2-ol Hydrochloride 862129-91-7P, 2-(1,1-Dioxohexahydrothiopyran-4-y1)-3-[4-[2-(piperidin-1yl)ethoxy]phenoxy]benzo[b]thiophen-6-ol hydrochloride 862129-92-8P , 6-((S)-4-Methylsulfonylcyclohex-1-enyl)-5-[4-[2-(piperidin-1-iy1)ethoxy]phenoxy]naphthalen-2-ol hydrochloride 862129-93-9P, 6-((R)-4-Methylsulfonylcyclohex-1-enyl)-5-[4-[2-(piperidin-1y1)ethoxy]phenoxy]naphthalen-2-ol hydrochloride 862130-00-5P, 2-(4-Methylsulfonylcyclohex-1-enyl)-3-[4-[2-(piperidin-1yl)ethoxy]phenoxy]benzo[b]thiophen-6-ol hydrochloride 862130-04-9P , $6-(1,1-\text{Dioxohexahydrothiopyran}-4-y1)-5-[4-[2-(piperidin}-1$ yl)ethoxy]phenoxy]naphthalen-2-ol 862130-05-0P, 6-(4-Methylsulfonylcyclohexyl)-5-[4-[2-(piperidin-1yl)ethoxy]phenoxy]naphthalen-2-ol 862130-06-1P, 3-[4-[2-(Piperidin-1-yl)ethoxy]phenoxy]-2-(tetrahydrothiopyran-4yl)benzo[b]thiophen-6-ol hydrochloride 862130-07-2P, 2-(1,1-Dioxohexahydrothiopyran-4-y1)-3-[4-[2-(piperidin-1--[2-(piperidin-1--[2-(piperidiyl)ethoxy]phenoxy]benzo[b]thiophen-6-ol RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of piperidine derivs. as selective estrogen receptor modulators for treating endometriosis and uterine leiomyoma) 862129-76-8 CAPLUS

2-Naphthalenol, 6-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-, hydrochloride (1:1) (CA INDEX NAME)

RN 862129-78-0 CAPLUS

CN 2-Naphthalenol, 6-[cis-4-(methylsulfonyl)cyclohexyl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-, hydrochloride (1:1) (CA INDEX NAME)

Relative stereochemistry.

● HCl

RN 862129-79-1 CAPLUS

CN 2-Naphthalenol, 6-[trans-4-(methylsulfonyl)cyclohexyl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-, hydrochloride (1:1) (CA INDEX NAME)

Relative stereochemistry.

● HCl

RN 862129-80-4 CAPLUS

CN 2-Naphthalenol, 6-[4-(methylsulfonyl)cyclohexyl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-, hydrochloride (1:1) (CA INDEX NAME)

RN 862129-87-1 CAPLUS

CN 2-Naphthalenol, 5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-6-(tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)-, hydrochloride (1:1) (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

//

● HCl

RN 862129-91-7 CAPLUS

CN Benzo[b]thiophene-6-ol, 3-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-2- (tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)-, hydrochloride (1:1) (CA INDEX NAME)

● HCl

CN 2-Naphthalenol, 6-[(4S)-4-(methylsulfonyl)-1-cyclohexen-1-yl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

● HCl

RN 862129-93-9 CAPLUS

CN 2-Naphthalenol, 6-[(4R)-4-(methylsulfonyl)-1-cyclohexen-1-yl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

● HCl

RN 862130-00-5 CAPLUS

CN Benzo[b]thiophene-6-ol, 2-[4-(methylsulfonyl)-1-cyclohexen-1-yl]-3-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-, hydrochloride (1:1) (CA INDEX NAME)

● HCl

RN 862130-04-9 CAPLUS

CN 2-Naphthalenol, 5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-6-(tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)- (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

// O

RN 862130-05-0 CAPLUS

CN 2-Naphthalenol, 6-[4-(methylsulfonyl)cyclohexyl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

RN 862130-06-1 CAPLUS

CN Benzo[b]thiophene-6-ol, 3-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-2- (tetrahydro-2H-thiopyran-4-yl)-, hydrochloride (1:1) (CA INDEX NAME)

● HCl

RN 862130-07-2 CAPLUS

CN Benzo[b]thiophene-6-ol, 3-[4-[2-(1-piperidinyl)ethoxy]phenoxy]-2-(tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)- (CA INDEX NAME)

IT 862129-95-1P, 1-[2-[4-[[6-Benzyloxy-2-((S)-4-

Absolute stereochemistry.

RN 862129-96-2 CAPLUS

CN Piperidine, 1-[2-[4-[[2-[(4R)-4-(methylsulfonyl)-1-cyclohexen-1-yl]-6-(phenylmethoxy)-1-naphthalenyl]oxy]phenoxy]ethyl]- (CA INDEX NAME)

Absolute stereochemistry.

862129-83-7P, 1-[2-[4-[[2-(3,6-Dihydro-2H-thiopyran-4-y1)-6-ΤТ methoxynaphthalen-1-yl]oxy]phenoxy]ethyl]piperidine 862129-88-2P , 4-[6-Methoxy-3-[4-[2-(piperidin-1-yl)ethoxy]phenoxy]benzo[b]thiophen-2yl]tetrahydrothiopyran-4-ol 862129-97-3P, 1-[2-[4-[6-Benzyloxy-2-((S)-4-methylsulfonylcyclohex-1-enyl)] naphthalen-1yl]oxy]phenoxy]ethyl]piperidine hydrochloride 862129-98-4P, yl)ethoxy]phenoxy]naphthalen-2-ol 862129-99-5P, 1-[2-[4-[6-Benzyloxy-2-((R)-4-methylsulfonylcyclohex-1-enyl)] naphthalen-1yl]oxy]phenoxy]ethyl]piperidine hydrochloride 862130-01-6P, 1-[2-[4-[(2-(4-Methylsulfonylcyclohex-1-enyl)-6-methoxybenzo[b]thiophen-3yl]oxy]phenoxy]ethyl]piperidine 862130-02-7P, 1-[2-[4-[(2-(4-Methylsulfonylcyclohex-1-enyl)-6-methoxybenzo[b]thiophen-3yl]oxy]phenoxy]ethyl]piperidine hydrochloride RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of piperidine derivs. as selective estrogen receptor modulators for treating endometriosis and uterine leiomyoma)

RN 862129-83-7 CAPLUS

CN

Piperidine, 1-[2-[4-[[2-(3,6-dihydro-2H-thiopyran-4-yl)-6-methoxy-1-naphthalenyl]oxy]phenoxy]ethyl]- (CA INDEX NAME)

RN 862129-88-2 CAPLUS

CN 2H-Thiopyran-4-ol, tetrahydro-4-[6-methoxy-3-[4-[2-(1-piperidinyl)ethoxy]phenoxy]benzo[b]thien-2-yl]- (CA INDEX NAME)

RN 862129-97-3 CAPLUS

CN Piperidine, 1-[2-[4-[[2-[(4S)-4-(methylsulfonyl)-1-cyclohexen-1-yl]-6-(phenylmethoxy)-1-naphthalenyl]oxy]phenoxy]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

● HCl

RN 862129-98-4 CAPLUS

CN 2-Naphthalenol, 6-[(4S)-4-(methylsulfonyl)-1-cyclohexen-1-yl]-5-[4-[2-(1-piperidinyl)ethoxy]phenoxy]- (CA INDEX NAME)

Absolute stereochemistry.

RN 862129-99-5 CAPLUS

CN Piperidine, 1-[2-[4-[[2-[(4R)-4-(methylsulfonyl)-1-cyclohexen-1-yl]-6-(phenylmethoxy)-1-naphthalenyl]oxy]phenoxy]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

● HCl

CN Piperidine, 1-[2-[4-[[6-methoxy-2-[4-(methylsulfonyl)-1-cyclohexen-1-yl]benzo[b]thien-3-yl]oxy]phenoxy]ethyl]- (CA INDEX NAME)

RN 862130-02-7 CAPLUS

CN Piperidine, 1-[2-[4-[[6-methoxy-2-[4-(methylsulfonyl)-1-cyclohexen-1-yl]benzo[b]thien-3-yl]oxy]phenoxy]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

● HCl

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1997:80141 CAPLUS

DN 126:74703

OREF 126:14457a,14460a

- TI Structure-Activity Relationships of Selective Estrogen Receptor Modulators: Modifications to the 2-Arylbenzothiophene Core of Raloxifene
- AU Grese, Timothy A.; Cho, Stephen; Finley, Don R.; Godfrey, Alexander G.; Jones, Charles D.; Lugar, Charles W., III; Martin, Michael J.; Matsumoto, Ken; Pennington, Lewis D.; et al.
- CS Lilly Research Laboratories, Eli Lilly and Company, Indianapolis, IN, 46285, USA
- SO Journal of Medicinal Chemistry (1997), 40(2), 146-167 CODEN: JMCMAR; ISSN: 0022-2623
- PB American Chemical Society
- DT Journal
- LA English
- IT 150797-71-0P 174475-56-0P RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological

study); PREP (Preparation)

(preparation of arylbenzothiophenes as estrogen receptor modulators)

RN 150797-71-0 CAPLUS

CN Methanone, (2-cyclohexyl-6-hydroxybenzo[b]thien-3-yl)[4-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

RN 174475-56-0 CAPLUS

CN Methanone, [6-hydroxy-2-(trans-4-hydroxycyclohexyl)benzo[b]thien-3-yl][4-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

Relative stereochemistry.

IT 150797-34-5P 174475-53-7P 185415-02-5P

185416-86-8P 185416-87-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of arylbenzothiophenes as estrogen receptor modulators)

RN 150797-34-5 CAPLUS

CN Methanone, (2-cyclohexyl-6-methoxybenzo[b]thien-3-yl)[4-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

RN 174475-53-7 CAPLUS

CN Methanone, [2-[4-[[(1,1-dimethylethyl)dimethylsilyl]oxy]cyclohexyl]-6-methoxybenzo[b]thien-3-yl][4-[2-(1-piperidinyl)ethoxy]phenyl]-, trans-(9CI) (CA INDEX NAME)

Relative stereochemistry.

RN 185415-02-5 CAPLUS

CN Methanone, [2-(4-fluorophenyl)-6-[(methylsulfonyl)oxy]benzo[b]thien-3-yl][4-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

RN 185416-86-8 CAPLUS

CN Methanesulfonic acid, 1,1,1-trifluoro-, 2-[4-[[(1,1-dimethylethyl)dimethylsilyl]oxy]phenyl]-3-[4-[2-(1-piperidinyl)ethoxy]benzoyl]benzo[b]thiophen-6-yl ester (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{O-Si-Bu-t} \\ \text{Me} \\ \text{O} \\ \text{Si-Bu-t} \\ \text{Me} \\ \text{O-CH}_2\text{-CH}_2\text{-N} \\ \text{O-CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-N} \\ \text{O-CH}_2\text{-CH}_2\text{-CH}_2\text{-N} \\ \text{O-CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-N} \\ \text{O-CH}_2\text{$$

RN 185416-87-9 CAPLUS

CN Methanesulfonic acid, 1,1,1-trifluoro-, 4-[6-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-3-[4-[2-(1-piperidinyl)ethoxy]benzoyl]benzo[b]thien-2-yl]phenyl ester (CA INDEX NAME)

RE.CNT 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1995:758723 CAPLUS

DN 123:143630

OREF 123:25577a,25580a

TI Benzothiophenes and related compounds as estrogen agonists

IN Cameron, Kimberly O.; Da Silva-Jardine, Paul; Larson, Eric R.; Hauske, James R.; Rosati, Robert L.

PA Pfizer Inc., USA

SO PCT Int. Appl., 97 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

LUI.	PATENT NO.					KIND		DATE		APPLICATION NO.						DATE				
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		W:	ΑU,	BR,	CA,	CN,	CZ,	HU,	JP,	KR,	NC), N	Ζ,	PL,	RU,	US				
		RW:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GF	R, I	Ε,	IT,	LU,	MC,	NL,	PT,	SE	
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		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GF	R, I	Ε,	IT,	LI,	LU,	NL,	PT,	SE	
	CN	1133	040			A		1996	1009		CN	199	4 - 1	1937	55		1	9940	919	
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	BR	9407	790			A		1997	0318		BR	199	4-	7790			1	9940	919	
	HU	75231 9404771			A2		1997	0428	HU 1996-947							1	9940	919		
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	ZA	9407	911			A		1996	0411		ZA	199	4-	7911			1	9941	011	
	NO	9601	432			A		1996	0411		ΝО	199	6-1	1432			1	9960	411	
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PRAI	US 1993-135386				Α		1993	1012												
	WO	1994	-IB2	82		W		1994	0919											

OS CASREACT 123:143630; MARPAT 123:143630

IT 166975-48-0P 166975-49-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of benzothiophene derivs. and analogs as estrogen agonists)

RN 166975-48-0 CAPLUS

CN Methanone, [4-[2-(2-azabicyclo[2.2.1]hept-2-y1)ethoxy]phenyl][6-[(methylsulfonyl)oxy]-2-[4-[(methylsulfonyl)oxy]phenyl]benzo[b]thien-3-yl]-(CA INDEX NAME)

RN 166975-49-1 CAPLUS

CN Methanone, [4-[2-(1H-imidazol-1-yl)ethoxy]phenyl] [6-[(methylsulfonyl)oxy]-2-[4-[(methylsulfonyl)oxy]phenyl]benzo[b]thien-3-yl]- (CA INDEX NAME)

IT 150797-71-0P 166975-22-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of benzothiophene derivs. and analogs as estrogen agonists)

RN 150797-71-0 CAPLUS

CN Methanone, (2-cyclohexyl-6-hydroxybenzo[b]thien-3-yl)[4-[2-(1-piperidinyl)ethoxy]phenyl]- (CA INDEX NAME)

RN 166975-22-0 CAPLUS

CN Methanesulfonamide, N-[2-(4-hydroxyphenyl)-3-[4-[2-(1-piperidinyl)ethoxy]benzoyl]benzo[b]thien-6-yl]- (CA INDEX NAME)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT